

IN THE SPECIFICATION:

Paragraph beginning at line 3 of page 1 has been amended as follows:

The present invention relates to a printer apparatus for printing of a thermosensitive adhesive sheet (hereinafter "thermosensible adhering sheet") formed with a thermosensitive thermosensible adhesive layer showing a nonadhering property in normal time and manifesting an adhering property by being heated on one face of a sheet-like base member.

Paragraph beginning at line 18 of page 1 has been amended as follows:

Hence, as a system for dispensing with the exfoliating sheet, there has been developed a thermosensible adhering label provided with a thermosensible adhesive layer showing a nonadhering property in normal time and manifesting an adhering property by being heated on a rear face side of a label-like base member and used for various uses. Further, there has also been promoted a development with regard to a thermally activating apparatus and a thermally activating method for heating a thermosensible adhesive layer of a thermosensible adhering label. For example, ~~there is~~ a thermally activating apparatus or the like utilizing a thermal

head as heating means for thermally activating a thermosensible adhesive layer ~~(refer to patent literature 1)~~ is disclosed in JP-A-11-79152.

Paragraph beginning at line 9 of page 2 has been amended as follows:

Fig. 6 is a total view showing an outline constitution of a printer apparatus described in JP-11-79152 Patent literature 1. A thermal printer apparatus 100 of Fig. 6 is constituted by a roll containing unit 101 for holding a thermosensible adhering label L in a tape-like shape wound in a roll-like shape, a printing unit 110 for printing the thermosensible adhering label L, a cutter unit 120 for cutting the thermosensible adhering label L in a predetermined length, and a thermally activating unit 130 as a thermally activating apparatus for thermally activating a thermosensible adhesive layer of the thermosensible adhering label L.

Paragraph beginning at line 20 of page 2 has been amended as follows:

Specifically, the printing unit 110 is provided with a thermal head 111 having a plurality of heat generating elements (resistance members) 113 arranged in a width direction of the thermosensible adhering label L to be able to

carry out dot printing, a printing platen roll 112 which is brought into ~~press~~ pressure contact with the printing thermal head 111 and the like. Further, the cutter unit 120 is provided with a movable blade 121 operated by a drive source (not illustrated) of an electric motor or the like, a fixed blade 122 arranged to be opposed to the movable blade 121 and the like. Further, the thermally activating unit 130 is provided with a thermally activating thermal head 131 as heating means having a heat generating element 133, a thermally activating platen roll 132 as carrying means for carrying the thermosensible adhering label L and the like.

Paragraph beginning at line 9 of page 3 has been amended as follows:

In the thermal printer apparatus 100, based on control signal transmitted from a CPU (not illustrated), respective ~~processings~~ processes are successively executed such that desired printing is executed at the printing unit 110, a cutting operation is executed by the cutter unit 120 at a predetermined timing and thermal activation is executed by the thermally activating unit 130 by applying predetermined energy.

Paragraph beginning at line 16 of page 3 has been amended as follows:

Further, although as the thermally activating means of the thermosensible adhering ~~label~~, label there have been proposed various methods such as a method of using hot wind or infrared ray, a method of using an electric heater or a dielectric coil and the like other than utilizing the above-described thermal head, all of the methods are the same in that the thermally activating unit is provided separately from the printing unit and the thermally activating processing of the thermosensible adhesive layer is carried out after printing the thermosensible adhering label.

Paragraph beginning at line 1 of page 4 has been amended as follows:

Meanwhile, there has been proposed in JP-A-4-128121 also a technology utilizing a heating roll as thermally activating means ~~of the~~ for a thermosensible adhering label although ~~the technology it~~ is not ~~general as directed to a~~ thermally activating means of a printer apparatus for ~~the a~~ thermosensible adhering label. ~~(for example, refer to patent literature 2).~~

Paragraph beginning at line 7 of page 4 has been amended as follows:

A label pasting apparatus disclosed in JP-A-4-128121 ~~of patent literature~~ is an apparatus ~~of~~ for thermally activating a thermosensible adhesive layer in a state of laminating a leaf member (postcard or the like) and the thermosensible adhering label by heating the thermosensible adhesive layer from a side opposed to a face of the thermosensible adhering label formed with the thermosensible adhesive layer by ~~the~~ a heating roll to heat to bring the label into press contact with the leaf member. That is, the thermosensitive adhesive layer which is thermally activated by the heating roll is immediately brought into ~~press~~ pressure contact with the leaf member when thermally activated and, therefore, heating control is comparatively easy.

Paragraph beginning at line 10 of page 5 has been deleted as follows:

~~{patent literature 1}~~

Paragraph beginning at line 11 of page 5 has been deleted as follows:

~~JP-A-11-79152~~

Paragraph beginning at line 12 of page 5 has been deleted as follows:

~~{patent literature 2}~~

Paragraph beginning at line 13 of page 5 has been deleted as follows:

~~JP-A-4-128121~~

Paragraph beginning at line 14 of page 5 has been amended as follows:

Meanwhile, there is frequently a case in which a thermosensible adhering label is utilized for use for indicating price of a commodity or the like and, therefore, as the printer for printing the thermosensible adhering label, a printer apparatus excellent in portability is desired. However according to a the conventional printer apparatus shown in ~~patent literature 1~~, JP-A-11-79152, the printing unit and the thermally activating unit are separately provided and, therefore, a space for installing ~~the respectives~~ is needed ~~and small-sized formation is~~ these units is required which makes reduction in size of the printer apparatus difficult to achieve.

Paragraph beginning at line 24 of page 9 has been amended as follows:

The printing unit P is provided with a thermal head 10 having a plurality of heat generating elements (resistance members) arranged in a width direction of a thermosensitive adhesive label (hereinafter "thermosensible adhering label") L to be able to carry out dot printing and a platen roller (hereinafter "platen roll") 11 as carrying means and thermally activating means which is brought into press contact with the thermal head 10 ~~and~~ while a printing process ~~processing~~ and a thermally activating ~~processing~~ can be process are simultaneously carried out in a state of interposing the thermosensible adhering label L therebetween. Thus, as further described below, the platen roll 11 constitutes heat-application and transporting means for heating a thermosensible adhering layer of the thermosensible adhering label L and for transporting the thermosensible adhering label L.

Paragraph beginning at line 14 of page 13 has been amended as follows:

The platen roll 11 includes a heater comprising a halogen lamp at inside thereof to thermally activate the thermosensible adhesive layer L2 of the thermosensible

adhering label L. As shown by Fig. 4, a base member thereof is constituted by a shaft M made of aluminum or made of other metal having a hollow portion of, for example, ~~ø9mm~~ 9mm and a halogen lamp HL is inserted into the hollow portion.

Meanwhile, an outer peripheral face of the shaft M made of metal is formed with a silicon species resin or fluorine species resin layer for preventing the ~~thermosensible~~ thermosensible adhesive on the surface of the thermally activated label from exfoliating to adhere thereto.

Paragraph beginning at line 10 of page 15 has been amended as follows:

In this way, according to the print apparatus of the embodiment, the thermosensible adhering label L is carried and thermally activated by the platen roll 11 and, therefore, ~~the~~ a thermally activating unit provided exclusively for the thermally activating process in the conventional art ~~processing conventionally~~ is not needed. Therefore, a space as well as a member for the thermally activating unit can be omitted and, therefore, reduction in size and weight ~~small-sized formation • light-weighted formation~~ of the printer apparatus can be achieved and the apparatus cost of the apparatus can be reduced.

Paragraph beginning at line 23 of page 16 has been amended as follows:

First, the thermosensible adhering label L is transmitted from a label holding unit (not illustrated) and inserted into the printing unit 10 from the inserting port E1 (or E2). Further, when the thermosensible adhering label L is detected by the label detecting sensor 17 (or 18), the platen roll 11 is started to be driven to rotate based thereon and after the thermosensible adhering label L reaches the platen roll ~~40~~ 11 by being guided by the plate-like member 16, the label L is carried by the platen roll 11.

Paragraph beginning at line 12 of page 17 has been amended as follows:

Here, electricity has previously started to conduct to the halogen lamp HL at inside of the platen roll 11 ~~previously~~ (for example, immediately after switching on power source of the printer apparatus) to thereby elevate the temperature thereof to thermally ~~activating~~ activate the temperature of the thermosensible adhesive layer before arrival of the thermosensible adhering label L. Further, the thermosensible adhering label L is brought into contact with the platen roll 11 since the thermosensible adhering label L has reached the platen roll 11 until the thermosensible

adhering L is printed by the thermal head 10 and therefore, during the time period, the thermally activating processing can be carried out to thereby enable to thermally activate the label L efficiently.

Paragraph beginning at line 16 of page 18 has been amended as follows:

Although a specific explanation has been given of the invention which is carried out by the inventors based ~~of~~ on the embodiment as described above, the invention is not limited to the embodiment described but can variously be modified ~~within a range not deviated from gist thereof~~ in various ways without departing from the spirit and scope of the invention.

Paragraph beginning at line 10 of page 20 has been amended as follows:

Further, the constitution of the printer apparatus is simplified and, therefore, a rate of bringing about a failure in carrying a label such as sheet jamming which is liable to bring about at a vicinity of an inserting port or a discharge port of the unit can be reduced. Further, the printing ~~processing~~ process and the thermally activating ~~processing~~ process can simultaneously be carried out and, the speed of forming a print sheet can be improved.